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DIALOG(R) File 351:Derwent WPI

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WPI ACC NO: 1974-79969V/

Anodic oxidn. of aluminium (alloy) - to give coloured oxide coating

Patent Assignee: SUMITOMO LIGHT METAL IND CO (SUMK)

Inventor: HAYASHI Y; ICHIRYU A; SUZUKI T; TERA I S

Patent Family (5 patents, 3 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
JP 49056844	A	19740603	JP 1972100215	A	19721005	197446	B
DE 2416027	A	19751016	DE 2416027	A	19740402	197543	
NCE			DE 2416027	A	19740402		
US 3935084	A	19760127	US 1974455947	A	19740328	197606	E
JP 1978028859	B	19780817				197837	E
DE 2416027	B	19781019	DE 2416027	A	19740402	197843	
NCE							

Alerting Abstract JP A

The anodic oxidn. of Al (alloy) is carried out by (1) anodizing at voltage E1, (2) electrolyzing in the same electrolyte with a high frequency pulsating current of voltage E2, where $E2 < E1$, and (3) electrolyzing with a high-frequency pulsating current of voltage $> E2$, the process being repeated once, or twice.

Title Terms /Index Terms/Additional Words: ANODE; OXIDATION; ALUMINIUM;

ALLOY; COLOUR; OXIDE; COATING

Class Codes

International Classification (Main): C25D-011/14

(Additional/Secondary): C25D-011/22

US Classification, Issued: 205108000, 205106000, 205330000

File Segment: CPI

DWPI Class: M11

Manual Codes (CPI/A-M): M11-E01

Original Publication Data by Authority

Germany

Publication No. DE 2416027 A (Update 197543 NCE)

Publication Date: 19751016

****Verfahren zum Herstellen eines gefaerbten Oxidfilms auf der Oberflaeche**

von Aluminium oder einer Aluminiumlegierung**

Assignee: Sumitomo Light Metal Industries Ltd., Tokio

Inventor: Terai, Shiro, Nagoya

Ichiryu, Akinari, Aichi

Suzuki, Toshio, Kasugai

Hayashi, Yoshikatsu, Nagoya, Aichi, JP
Agent: Fischer, A.H., Dipl.-Ing.; Fischer, W.-D., Dipl.-Ing.,
Patentanwaelte, 6700 Ludwigshafen

Language: DE

Application: DE 2416027 A 19740402

DE 2416027 A 19740402 (Local application)

Original IPC: C25D-11/22

Current IPC: C25D-11/22(A)

Claim:

* 1. Verfahren zum Herstellen eines gefaerbten Oxidfilms auf der
Oberflaeche von Aluminium oder einer Aluminiumlegierung durch
Anodisierung, dadurch gekennzeichnet, dass man die Oberflaeche
mit
einer Gleichstromspannung E1 in einem Elektrolyt auf der Basis
von
Schwefelsaeure anodisiert, um einen im wesentlichen farblosen
Oxidfilm gewuenschter Dicke herzustellen, worauf man dann das
anodisierte Aluminium oder die anodisierte Aluminiumlegierung
einer
Wechselstromelektrolyse bei einer Spannung E2, die niedriger
ist
als die Spannung E1, unterwirft.

Publication No. DE 2416027 B (Update 197843 NCE)

Publication Date: 19781019

Language: DE

Application: DE 2416027 A 19740402

Japan

Publication No. JP 49056844 A (Update 197446 B)

Publication Date: 19740603

Assignee: SUMITOMO LIGHT METAL IND CO (SUMK)

SUMITOMO LIGHT METAL IND CO (SUMK)

Language: JA

Application: JP 1972100215 A 19721005

Original IPC: C25D-11/22

Current IPC: C25D-11/22

Publication No. JP 1978028859 B (Update 197837 E)

Publication Date: 19780817

Language: JA

United States

Publication No. US 3935084 A (Update 197606 E)

Publication Date: 19760127

Anodizing process

Assignee: Sumitomo Light Metal Industries, Ltd.

Inventor: Terai, Shiro, JA, US

Ichiryu, Akinari

Suzuki, Toshio

Hayashi, Yoshikatsu

Agent: Larson, Taylor and Hinds

Language: EN

Application: US 1974455947 A 19740328 (Local application)

Original IPC: C25D-11/14

Current IPC: C25D-11/14(A)

Original US Class (main): 205108

Original US Class (secondary): 205106 205330

Original Abstract: A colored oxide film on the surface of aluminium or an

alloy thereof can be formed by anodizing at a D.C. voltage in an electrolyte based on sulfuric acid, followed by alternating current electrolysis at an A.C. voltage which is lower than the D.C. voltage.

In order to increase the degree of coloring of the colored oxide film,

after the alternating current electrolysis the A.C. voltage is raised

to a higher level but lower than the D.C. voltage, followed by dropping

the voltage down to a level of the A.C. voltage or thereabout.

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⑤日本分類

98 (3) D 012
98 (3) D 2
96 (7) B 1

⑩日本国特許庁

公開実用新案公報

庁内整理番号 5630-53
5630-53
7184-53

⑪実開昭49-56844

⑫公開 昭49(1974)・5.20

審査請求 未請求

⑬可搬型垂直ダイポールアンテナ

⑭実 願 昭48-52159

⑮出 願 昭47(1972)8月14日

⑯実 願 昭43-96411の補正却下
実用新案法第13条において準用する特許法第
53条第4項に規定する実用新案登録出願

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⑳実用新案登録請求の範囲

高さの調節が可能な導電性のマイクロホンスタンドと、伸縮自在なくり出し導体と、該くり出し導体の下端に設けられ上記マイクロホンスタンドの上部に着脱自在に結合し上記くり出し導体及びマイクロホンスタンドにそれぞれ電気的に接続するケーブル接続用コネクタを有するアンテナ給電部とよりなる可搬型垂直ダイポールアンテナ。

図面の簡単な説明

第1図はこの考案による可搬型垂直ダイポールアンテナ装置の1実施例を示す組立図、第2図はアンテナ給電部の内部構造を示す断面図である。
1……くり出し導体、3……マイクロホンスタンド、5……高さ調節リング、6……アンテナ給電部、9……ケーブル、10……コネクタ。

